

FINAL

**REPORT on X-RAY FLOURESCENCE FIELD STUDY
OF SELECTED PROPERTIES IN VICINITY OF FORMER
USS LEAD REFINERY FACILITY, EAST CHICAGO, INDIANA**

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**XRF Study in Vicinity of USS Lead
East Chicago, Indiana**

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ACRONYMS AND ABBREVIATIONS USED

AATS	American Analytical & Technical Services, Inc.
ECAB	Enforcement and Compliance Assurance Branch
EMPA	electron microprobe analysis
FPM	Field Project Manager
GPS	global positioning system
IDEM	Indiana Department of Environmental Management
IM	Interim Measures
LEGS	Laboratory for Environmental and Geological Studies
LOD	level of detection
mg/kg	milligrams per kilogram
MRFI	Modified RCRA Facility Investigation
MS	matrix spike
MSD	matrix spike duplicate
NIST	National Institute of Standards and Technology
NRMRL	National Risk Management Research Laboratory
PM	Project Manager
PPE	personal protective equipment
ppm	parts per million
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RCRA	Resource Conservation and Recovery Act
SAP	Sampling and Analysis Plan
SOP	standard operating procedure
SRM	Standard Reference Material
USEPA	U.S. Environmental Protection Agency
XRD	x-ray diffraction
XRF	x-ray fluorescence

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